

P63590US00 corrected.txt
SEQUENCE LISTING

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Kok, Jan
Sikkema, Jan
Geurts, Johannes M.W.
Nauta, Arjen

<120> Methods and means for regulating gene expression

<130> P63590US00

<140> US 10/562,601
<141> 2005-12-28

<150> PCT/NL2004/000474
<151> 2004-07-02

<150> EP 03077074.7
<151> 2003-07-02

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<170> PatentIn Ver. 3.3

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<222> (3)..(3)
<223> Met, Gly, Ile, Lys, Gln

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<222> (5)..(5)
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<210> 17
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<212> PRT
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Asn Arg Glu Arg Leu Gly Thr Leu
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Asp Xaa Xaa Gly
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Asp Lys Phe Leu
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Leu Ile Ser Asp
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Asn Gln Gln Phe

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26

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gaatttactg acgaatctat cattaa	26
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15

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15

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15

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15

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15

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15

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15

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15

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15

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15

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15

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15

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P63590US00 corrected.txt

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<223> Opp 2

<400> 219

aactgcagga aaattcatga acatac

26

<210> 220

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> WT oppD upstream region

<400> 220

cgtaatgttc agaaaattca tgaacatacc

30

<210> 221

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> MUT2, mutant in oppD upstream region

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<400> 221	cgtaatgttc taaaaattca tgaacatacc	30
<210> 222		
<211> 30		
<212> DNA		
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<220>		
<223> MUTF, mutant in oppD upstream region		
<400> 222		30
cgtaatgttc agaaaattca tggacatacc		
<210> 223		
<211> 30		
<212> DNA		
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<220>		
<223> MUT4, mutant in oppD upstream region		
<400> 223		30
cgtaatgttc agaaaattca tgagcatacc		
<210> 224		
<211> 30		
<212> DNA		
<213> Artificial Sequence		
<220>		
<223> MUT3, mutant in oppD upstream region		
<400> 224		30
cgtatgttc agaaaattca tgaacatacc		
<210> 225		
<211> 30		
<212> DNA		
<213> Artificial Sequence		
<220>		
<223> MUT10, mutant in oppD upstream region		
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<210> 226		
<211> 30		
<212> DNA		
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<223> MUT16, mutant in oppD upstream region		
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<210> 227	
<211> 26	
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<220>	
<223> motif as observed in L. lactis	
<220>	
<221> misc_feature	
<222> (1)..(26)	
<223> /note="Sequence wherein n can be any nucleotide"	
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anaatttct ganaaatnna tnanta	26
<210> 228	
<211> 26	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> consensus motif as observed in L. lactis	
<220>	
<221> misc_feature	
<222> (1)..(26)	
<223> /note="Sequence wherein n can be any nucleotide"	
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whaattdtcw gahaawtnnr wnadww	26
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<211> 15	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> consensus motif as observed in B. subtilis	
<400> 229	
awttdtcaga awwwt	15
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<211> 14	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> motif as observed in B. subtilis	
<220>	
<221> misc_feature	
<222> (1)..(14)	
<223> /note="Sequence wherein n can be any nucleotide"	
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attntcagaa aatt	14

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<210> 231
<211> 225
<212> DNA
<213> Lactococcus lactis wg2

<220>
<221> promoter
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<223> /note="prtP/prtM promoter region"

<400> 231
tgctaaaaat ttcaaaacat ctatagtctg taaacggcta aataataacg ctaaaagtta 60
atttacagat aaaaaaatta atagaagatt aaaatttcg ttgaatttgt tcttcaatag 120
tatataaatat aatagtatat aatattatat aatataatct taactacatc aagcgttaggg 180
tttgattttgg ttatgaaaact tttggaaagt ggaggatatt ggatg 225

<210> 232
<211> 230
<212> DNA
<213> Lactococcus lactis SK11

<220>
<221> promoter
<222> (1)..(230)
<223> /note="prtP/prtM promoter region"

<400> 232
tgctaaaaat ttcaaaacat ctatagtctg taaacggcta aataataacg ctaaaagtta 60
atttacagat aaaaaaatta atagaagatt aaaatttcg ttgaatttgt tcttcaatag 120
tatataaatat aatagtatat aatattatat tatataatat aatctaact acatcaagcg 180
taggctttga tttggttatg aaacttttgg aaagtggagg atattggatg 230

<210> 233
<211> 230
<212> DNA
<213> Lactococcus lactis E8

<220>
<221> promoter
<222> (1)..(230)
<223> /note="prtP/prtM promoter region"

<400> 233
tgctaaaaat ttcaaaacat ctatagtctg taaacggcta aataataacg ctaaaagtta 60
atttacagat aaaaaaatta atagaagatt aaaatttcg ttgaattttat tcttcaatag 120
tatataaatat aatattatat aatattatat tatataatat aatctaact acatcaagcg 180
tagggttga tttggttatg aaacttttgg aaagtggagg atattggatg 230

<210> 234
<211> 230
<212> DNA
<213> Lactococcus lactis BGMN1-5

<220>
<221> promoter
<222> (1)..(230)
<223> /note="prtP/prtM promoter region"

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<400> 234

tgctaaaaat ttcaaaaacat ctatagtctg taaacggcta aataataacg ctaaaagttt 60
atttacagat aaaaaaaatTA atagaagatt aaaatttttag ttgaatttgt tcTTtaatAG 120
tatataatat aatagtatAT actattatAT tatataactAT tatattaACT acatcaAGCG 180
tacatTTGA tttggTTATG aaACttttGG aaAGTGGAGG gtATTGGATG 230